

**§ 10.510 Service requirements for chief engineer of steam and/or motor vessels.**

The minimum service required to qualify an applicant for license as chief engineer of steam and/or motor vessels is:

- (a) One year of service as first assistant engineer; or,
- (b) One year of service while holding a license as first assistant engineer. A minimum of six months of this service must have been as first assistant engineer. Service as an assistant engineer is accepted on a two-for-one basis to a maximum of six months (12 months of service as a second or third assistant engineer equals six months of creditable service).

**§ 10.512 Service requirements for first assistant engineer of steam and/or motor vessels.**

The minimum service required to qualify an applicant for license as first assistant engineer of steam and/or motor vessels is one year of service as an assistant engineer, while holding a license as second assistant engineer.

**§ 10.514 Service requirements for second assistant engineer of steam and/or motor vessels.**

The minimum service required to qualify an applicant for license as second assistant engineer of steam and/or motor vessels is:

- (a) One year of service as an assistant engineer, while holding a license as third assistant engineer; or,
- (b) One year of service while holding a license as third assistant engineer which includes:
  - (1) A minimum of six months of service as third assistant engineer; and,
  - (2) Additional service as a qualified member of the engine department, calculated on a two-for-one basis; or,
  - (c) One year of service as chief engineer (limited-oceans) of steam or motor vessels, and completing the appropriate examination described in subpart I of this part.

**§ 10.516 Service requirements for third assistant engineer of steam and/or motor vessels.**

- (a) The minimum service required to qualify an applicant for license as third

assistant engineer of steam and/or motor vessels is:

- (1) Three years of service in the engineroom of vessels, two years of which must have been as a qualified member of the engine department;
- (2) Three years of service as an apprentice to the machinist trade engaged in the construction or repair of marine, locomotive, or stationary engines, together with one year service in the engineroom as oiler, watertender, or junior engineer;
- (3) Graduation from:
  - (i) The U.S. Merchant Marine Academy (engineering curriculum);
  - (ii) The U.S. Coast Guard Academy and completion of an on-board engineer officer qualification program required by the service;
  - (iii) The U.S. Naval Academy and completion of an on-board engineer officer qualification program required by the service;
  - (iv) The engineering class of a Maritime Academy approved by and conducted under the rules prescribed by the Maritime Administrator and listed in part 310 of this title;
- (4) Graduation from the marine engineering course of a school of technology accredited by the Accreditation Board for Engineering and Technology, together with three months of service in the engine department of steam or motor vessels;
- (5) Graduation from the mechanical or electrical engineering course of a school of technology accredited by the Accreditation Board for Engineering and Technology, together with six months of service in the engine department of steam or motor vessels;
- (6) Satisfactory completion of a three-year apprentice engineers training program approved by the Commanding Officer, National Maritime Center; or,
- (7) One year of service as chief engineer (limited-near coastal) of steam or motor vessels and completing the appropriate examination described in subpart I of this part.
  - (b) Experience gained in the deck department on vessels of 100 gross tons or over can be credited for up to three